

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Patrick H. Le Roux

Serial No.: 10/707,292

Filed: December 3, 2003

For: NMR EXCITATION METHOD

Attorney Docket No: 126475 (GEMS 0186 PA)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail with sufficient postage in an envelope addressed to: Mail Stop DD, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on:

December 8, 2003
Date of Deposit

Jo Anne Croskey


Signature

**DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56**

Mail Stop DD
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with 37 C.F.R. § 1.56, the art listed and identified on the attached PTO forms 1449A and 1449B is being submitted herewith for consideration by the Examiner. A copy of each of the listed references is included herewith.


It is Applicant's opinion that the claims presently on file patentably distinguish the present invention from each of these references. The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would

render the same obvious, either singly or in combination, to a person of ordinary skill in the art.

No fee is believed to be due because this statement and enclosures are being filed before the first Office Action on the merits mailed by the PTO. The Commissioner is authorized to charge any additional fees, which may be required, or credit any overpayment, to Deposit Account No. 50-0476.

Respectfully submitted,

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Date: December 8, 2003

U.S. PATENT DOCUMENTS

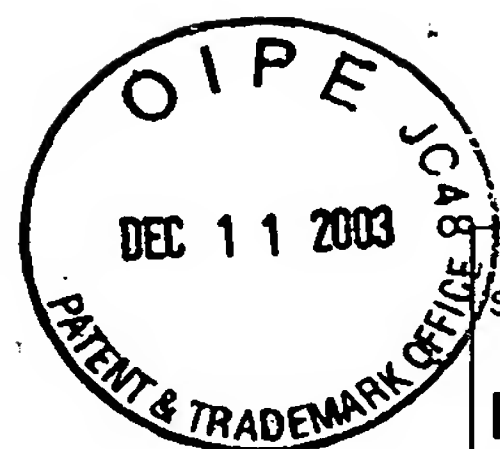
FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique ci

tation designation number. ² See a tached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for Form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	2	of	2	Attorney Docket Number	126475 (GEMS 0186 PA)
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Complete if Known

Application Number	10/707,292
Filing Date	December 3, 2003
First Named Inventor	Patrick H. Le Roux
Group Art Unit	To be determined
Examiner Name	To be determined

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	R. A. DE GRAAF ET AL: "Adiabatic RARE Imaging", NMR IN BIOMEDICINE, pgs. 29-35, XP008023942	
	2.	ALESSIO SERREQUI and MELVIN B. COMISAROW: "Frequency Interpolation of Discrete, Apodized, Magnitude Lineshapes", APPLIED SPECTROSCOPY, Vol. 41, No.2, 1987, pgs. 288-95,	
	3.	B. A. HARGREAVES, ET AL: "Characterization and reduction of the transient response in steady-state MR imaging", Magnetic Resonance in Medicine, Vol. 46, pgs. 149-158	
	4.	J. S. BLICHARSKI: "Approaching The Steady State At Fast Adiabatic Transitions in Nuclear Magnetic Resonance", ACTA PHYSICA POLNICA, Vol. 36, pgs. 755-761, XP008023939	
	5.	YI SUN ET AL: Small Vessel Enhancement in MRA Images Using Local Maximum Mean Processing, IEEE TRANSACTIONS ON IMAGE PROCESSING, Vol. 10, No. 11, Nov. 2001, pgs. 1687-99	
	6.	PATRICK LE ROUX: FISP Stabilization By Adiabatic Ramp Down, 16 th June 2002, pgs. 1-8	
	7.	PATRICK LE ROUX: Simplified Model and Stabilization of SSFP Sequences, 13 th August 2002, pgs. 1-19	

Examiner Signature		Date Considered	
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